

**ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT  
CROSSING DATA FORM**

**GENERAL INFORMATION:** See Location Sketch

<b>RAILROAD</b>	Illinois Central Railroad Company
<b>USDOT#, MILEPOST</b>	289 162D, 186.15-M
<b>STREET, CITY, COUNTY</b>	850N/TR85A, Near Neoga, Cumberland County
<b>JURISDICTION (RDWY)</b>	Neoga Township Highway Department
<b>LOCATION</b>	Rural, Open Space
<b>STREET SURFACE</b>	Two-Lane, Two-Way, 15 Feet Width, Oil & Chip Roadway

**CROSSING DATA:** See Location Sketch for roadway profile and track centers

<b>TRACK (W-E)</b>		<b>SURFACE TYPE</b>	<b>SURFACE WIDTH</b>	<b>SURFACE CONDITION</b>
1	(West) Siding	Full Depth Timber	24 Ft.	Fair
2	Main	Full Depth Timber	24 Ft.	Fair
GRADE BETWEEN: Track 1-2 = -0.4%				

**ROADWAY DATA:** See Location Sketch

<b>INTERSECTING ROADS:</b>	U.S. Route 45 – 101 feet east
<b>TRAFFIC CONTROL</b>	Stop Sign for 850N eastbound traffic
<b>ADT &amp; SPEED</b>	50 Vehicles Per Day @ 45 MPH (Not Posted)
<b>TRAFFIC TYPE</b>	Passenger vehicles with possible School Busses, Hazardous Materials, Farm Equipment and Emergency Response
<b>ADVANCE WARNING</b>	W10-1: West Only
<b>PAVEMENT MARKING</b>	None

**RAILROAD DATA:** See Location Sketch

<b>FREIGHT TRAFFIC</b>	21 Per day @ 60 MPH, 1 Switch Movement, Day & Night
<b>PASSENGER TRAFFIC</b>	4 per day @ 79 MPH
<b>WARNING DEVICES</b>	R15-1 (Reflective Crossbucks) – Northeast and Southwest R15-2 (2 Tracks) – Northeast and Southwest W10-I100 (Caution: 60 Feet between tracks and Highway) – SW R8-8 (Do Not Stop on Tracks) - Southwest

**NOTES:**

**VISIBILITY STUDY:** See Location Sketch

(Calculations based on 15.3 ft. distance from outer rail to outer rail)

<b>Train Speed</b>	79	<b>MPH</b>
<b>Roadway Speed</b>	45	<b>MPH</b>
<b>Required Stopping Sight Distance (SSD)</b>		
<b>Along Roadway</b>	356	<b>FEET</b>
<b>Along Tracks</b>	780	<b>FEET</b>
<b>Required Clearing Sight Distance (CSD)</b> <b>(Along Tracks)</b>	2023	<b>FEET</b>

Distances calculated per American Association of State Highway and Transportation Officials (AASHTO), A Policy on Geometric Design of Highways and Streets, 2001, Fourth Edition.

<b>QUADRANT</b>	<b>CSD (FT)</b>	<b>OBSTRUCTION</b>	<b>SSD (FT)</b>	<b>OBSTRUCTION</b>
<b>NE</b>	*		*	
<b>NW</b>	*		*	
<b>SE</b>	*		*	
<b>SW</b>	*		*	

\*Note: The installation of automatic flashing light signals and gates eliminates the need to satisfy minimum Sight Distance criteria.

**APPROACH GRADES:** See Location Sketch

<b>DIRECTION: FROM WEST RAIL</b>			<b>DIRECTION: FROM EAST RAIL</b>		
<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>	<b>DISTANCE (FT)</b>	<b>ELEVATION (FT)</b>	<b>GRADE (%)</b>
0 (West Rail)	100.1	---	0 (East Rail)	100.0	---
25	98.9	-4.8	25	98.9	-4.4
50	98.2	-2.8	50	98.3	-2.4
100	97.8	-0.8	100	98.0	-0.6

Distance measured from outermost rail (2 rails).

**COMMENTS:**

Proposed FY07 Grade Crossing Protection Fund (GCPF) project is for the addition of automatic flashing light signals and gates controlled by constant warning time circuitry at 950N, 900N and 850N. The Township will also improve the grade of the approaches to comply with 92 Illinois Administrative Code, Part 1535.204.

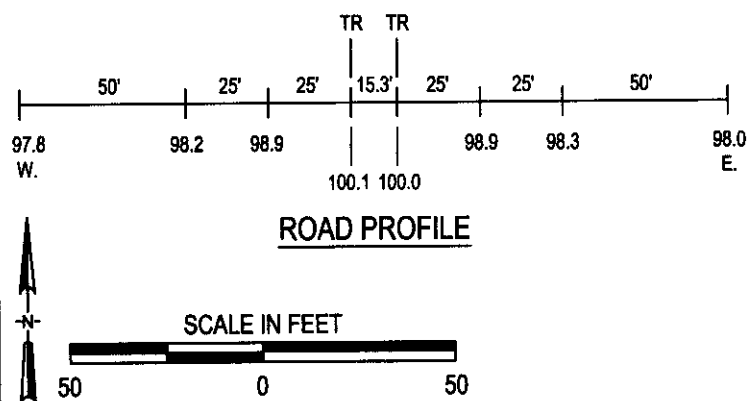
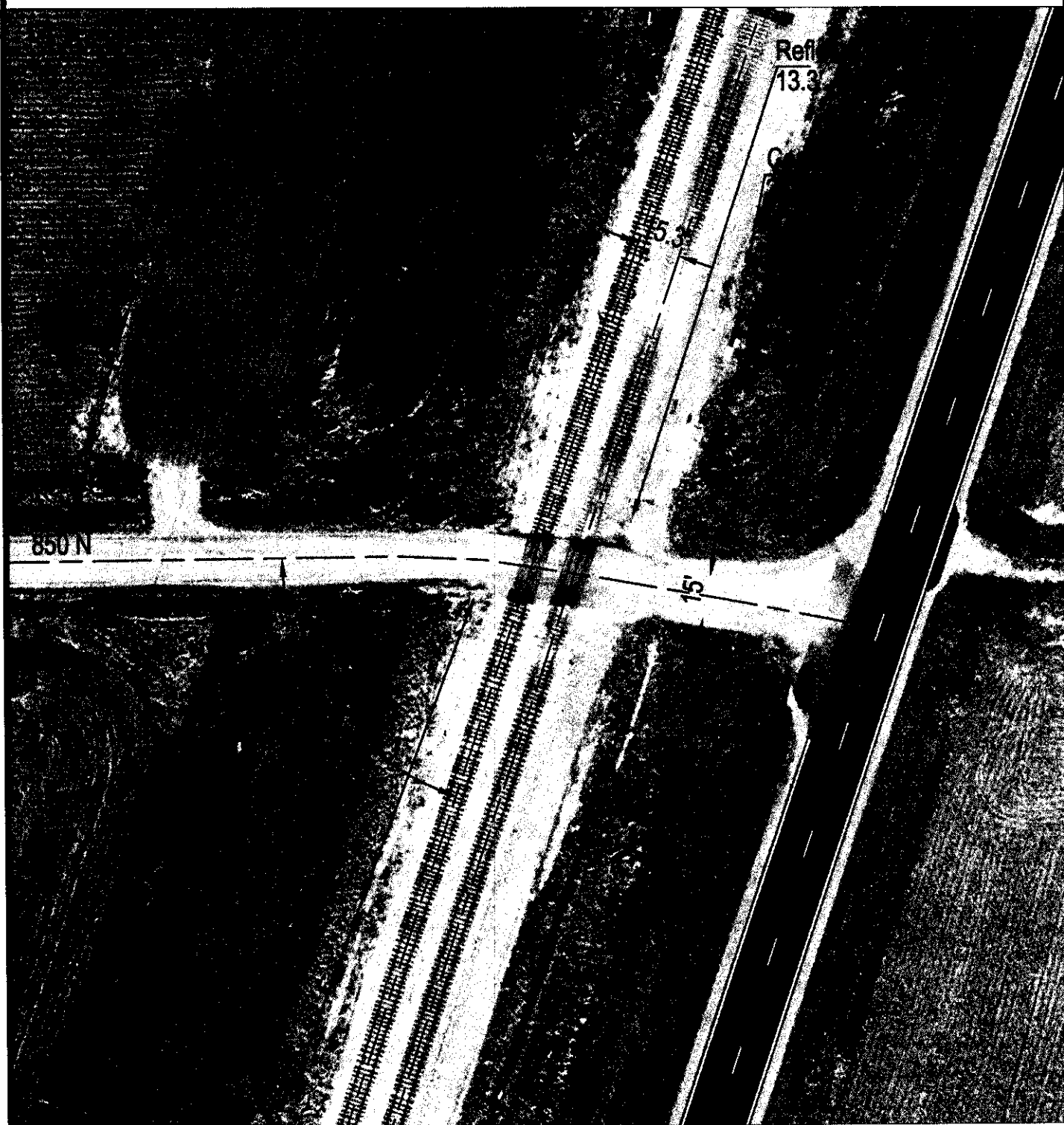
**Cost Division:**

<b>WORK</b>	<b>GCPF</b>	<b>CN/ICRR</b>	<b>TOWNSHIP</b>
Signal	90%	10% <sup>(1)</sup>	0%
Approaches <sup>(2)</sup>	100%	0%	0% <sup>(2)</sup>

(1) Plus operation and maintenance costs in perpetuity

(2) Township participation limited to \$5,000 in in-kind labor

See Page 3 for a Location Sketch (Aerial Photo) of the crossing.



Crossing #: 289162D

Location: Cumberland Co., City of Neoga (N)

Lat/Long: 39°17'42" / 88°27'52"

Railroad: Illinois Central Railroad Company

Street: 850 N / TR 85A

Railroad Milepost: 186.15 - M

Crossing Protection: Reflective Crossbucks

# ILLINOIS CENTRAL RAILROAD COMPANY

A WHOLLY OWNED SUBSIDIARY OF

CANADIAN NATIONAL RAILWAY COMPANY

## HIGHWAY/RAIL GRADE CROSSING SIGNAL ESTIMATE

Roadway Name: 950N / TR 67  
Nearest Station: Neoga, IL  
Railroad Region: Southern  
Railroad Subdivision: Champaign  
Railroad Milepost: 185.00  
DOT Crossing No.: 289 160P  
Valuation Section: IL-1

Date: October 19, 2006

Est 1010-601

Prepared by: WCR

Description of Work: Signal work to install Gates and CWT devices.

### MATERIAL:

<u>Item</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Cost</u>
Landfill	1	LOT	\$1,000.00	\$ 1,000.00
Misc. Signal Material	1	LOT	\$500.00	\$ 500.00
<u>CROSSING MATERIALS PACKAGE</u>				
GCP4000, 3 Track	1	EACH	\$29,770.00	\$ 29,770.00
GCP4000, 5 Track (6th Street)	1	EACH	\$37,705.00	\$ 37,705.00
Narrow Band Shunt, 62775-8621	2	EACH	\$666.00	\$ 1,332.00
Narrow Band Shunt, 62775-1543	2	EACH	\$533.00	\$ 1,066.00
Narrow Band Shunt, 62775-3497	3	EACH	\$440.00	\$ 1,320.00
Battery Choke, 8A065A	1	EACH	\$229.00	\$ 229.00
PSO II Battery Choke, 7A360	2	EACH	\$274.00	\$ 548.00
Adjustable Inductor, 8A398-6	3	EACH	\$433.00	\$ 1,299.00
Rectifier, NRS 15110, 20A	2	EACH	\$446.00	\$ 892.00
Rectifier, NRS 18120, 40A	2	EACH	\$645.00	\$ 1,290.00
Intelligent Current Sensor, 80271	4	EACH	\$470.00	\$ 1,880.00
FLX-4000 & Gate Assembly, 2-Way	2	EACH	\$7,160.00	\$ 14,320.00
Arm, E-Z Gate, 16-24'	2	EACH	\$569.00	\$ 1,138.00
Gatekeeper	2	EACH	\$1,303.00	\$ 2,606.00
Bell, Electronic	1	EACH	\$235.00	\$ 235.00
Battery, Ni-Cad, 250 AH	40	EACH	\$250.00	\$ 10,000.00
Foundation, S-2	2	EACH	\$410.00	\$ 820.00
Enclosure, Shunt	4	EACH	\$591.00	\$ 2,364.00
Battery Box, 6 Cell	1	EACH	\$440.00	\$ 440.00
Pre-Wired Aluminum Bungalow, 6X6'	2	EACH	\$13,450.00	\$ 26,900.00
Wire, 2c/6, T10456	3000	FEET	\$0.69	\$ 2,070.00
Cable, 3c/6 TECK, T10458	500	FEET	\$2.74	\$ 1,370.00
Cable, 2c/10, 6c/14, T10477	4000	FEET	\$1.19	\$ 4,760.00
Cable, 7c/6, 9c/14, T12481	600	FEET	\$4.22	\$ 2,532.00
				=====
SUBTOTAL MATERIAL				\$ 148,386.00

EXHIBIT B, P.1

Neoga, IL

Est 1010-601

LABOR:SIGNAL LABOR

<u>Item</u>	<u>Gang Days</u>	<u>Cost/Day</u>	<u>Cost</u>
5-man Gang	24	1200.00	\$ 28,800.00
			=====
SUBTOTAL SIGNAL LABOR			\$ 28,800.00

MISCELLANEOUS LABOR

<u>Item</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Cost</u>
Preliminary Engineering	1	L.S.	\$2,500.00	\$ 2,500.00
Construction Engineering	1	L.S.	\$275.00	\$ 275.00
Accounting	1	L.S.	\$300.00	\$ 300.00
				=====
SUBTOTAL MISCELLANEOUS LABOR				\$ 3,075.00
				=====
TOTAL LABOR				\$ 31,875.00

OTHER

<u>Item</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Cost</u>	<u>Cost</u>
Per Diem/Business Expense	1	L.S.	\$7,728.00	\$ 7,728.00
Contractor/Rented Equipment	1	L.S.	\$4,800.00	\$ 4,800.00
Bond Storage Track	1	L.S.	\$1,000.00	\$ 1,000.00
Power Tap	1	L.S.	\$2,000.00	\$ 2,000.00
Contract-Crossing System Wiring	1	L.S.	\$6,000.00	\$ 6,000.00
Freight on Crossing Package	1	L.S.	\$3,300.00	\$ 3,300.00
Contract Engineering	1	L.S.	\$8,000.00	\$ 8,000.00
				=====
TOTAL OTHER				\$ 32,828.00
				=====
TOTAL DIRECT COSTS				\$ 213,089.00

EXHIBIT B, P.2

FAPG ADDITIVES

Material	\$ 148,386.00	
Material Additive ( 4.20%)		\$ 6,232.21
Signal Labor	\$ 28,800.00	
Signal Labor Additive ( 89.34%)		\$ 25,729.92
Engineering Labor	\$ 2,775.00	
Engineering Labor Additive ( 83.29%)		\$ 2,311.30
Accounting Labor	\$ 300.00	
Accounting Labor Additive ( 74.34%)		\$ 223.02
Other	\$ 32,828.00	
	=====	=====
TOTAL DIRECT COSTS	\$ 213,089.00	
TOTAL FAPG ADDITIVES		\$ 34,496.45
		=====
GRAND TOTAL FAPG BASIS		\$ 247,585.45

*EXHIBIT B, P. 3*